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| | | | |
|------|----|--------|---|
| NEWS | 1 | | Web Page for STN Seminar Schedule - N. America |
| NEWS | 2 | NOV 22 | Higher System Limits Increase the Power of STN Substance-Based Searching |
| NEWS | 3 | NOV 24 | Search an additional 46,850 records with MEDLINE backfile extension to 1946 |
| NEWS | 4 | DEC 14 | New PNK Field Allows More Precise Crossover among STN Patent Databases |
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| NEWS | 6 | DEC 21 | CAS Learning Solutions -- a new online training experience |
| NEWS | 7 | DEC 22 | Value-Added Indexing Improves Access to World Traditional Medicine Patents in CAPLUS |
| NEWS | 8 | JAN 24 | The new and enhanced DPCI file on STN has been released |
| NEWS | 9 | JAN 26 | Improved Timeliness of CAS Indexing Adds Value to USPATFULL and USPAT2 Chemistry Patents |
| NEWS | 10 | JAN 26 | Updated MeSH vocabulary, new structured abstracts, and other enhancements improve searching in STN reload of MEDLINE |
| NEWS | 11 | JAN 28 | CABA will be updated weekly |
| NEWS | 12 | FEB 23 | PCTFULL file on STN completely reloaded |
| NEWS | 13 | FEB 23 | STN AnaVist Test Projects Now Available for Qualified Customers |
| NEWS | 14 | FEB 25 | LPCI will be replaced by LDPCI |
| NEWS | 15 | MAR 07 | Pricing for SELECTing Patent, Application, and Priority Numbers in the USPAT and IFI Database Families is Now Consistent with Similar Patent Databases on STN |
| NEWS | 16 | APR 26 | Expanded Swedish Patent Application Coverage in CA/CAPLUS Provides More Current and Complete Information |
| NEWS | 17 | APR 28 | The DWPI (files WPINDEX, WPIDS and WPIX) on STN have been enhanced with thesauri for the European Patent Classifications |
| NEWS | 18 | MAY 02 | MEDLINE Improvements Provide Fast and Simple Access to DOI and Chemical Name Information |
| NEWS | 19 | MAY 12 | European Patent Classification thesauri added to the INPADOC files, PCTFULL, GBFULL and FRFULL |
| NEWS | 20 | MAY 23 | Enhanced performance of STN biosequence searches |
| NEWS | 21 | MAY 23 | Free Trial of the Numeric Property Search Feature in PCTFULL on STN |
| NEWS | 22 | JUN 20 | STN on the Web Enhanced with New Patent Family Assistant and Updated Structure Plug-In |
| NEWS | 23 | JUN 20 | INPADOC databases enhanced with first page images |
| NEWS | 24 | JUN 20 | PATDPA database updates to end in June 2011 |
| NEWS | 25 | JUN 21 | INPADOC: Delay of German patent coverage |
| NEWS | 26 | JUN 26 | MARPAT Enhancements Save Time and Increase Usability |
| NEWS | 27 | JUL 25 | STN adds Australian patent full-text database, AUPATFULL, including the new numeric search feature. |
| NEWS | 28 | AUG 01 | CA Sections Added to ACS Publications Web Editions Platform |

NEWS EXPRESS 17 DECEMBER 2010 CURRENT WINDOWS VERSION IS V8.4.2 .1,
AND CURRENT DISCOVER FILE IS DATED 24 JANUARY 2011.

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COST IN U.S. DOLLARS                SINCE FILE    TOTAL
                                      ENTRY          SESSION
FULL ESTIMATED COST                0.23          0.23
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DICTIONARY FILE UPDATES: 3 AUG 2011 HIGHEST RN 1314841-34-3

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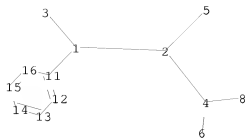
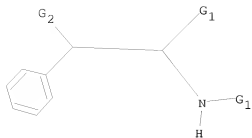
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<http://www.cas.org/support/stngen/stdoc/properties.html>

=>
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chain nodes :
1 2 3 4 5 6 8
ring nodes :
11 12 13 14 15 16
chain bonds :
1-2 1-3 1-11 2-4 2-5 4-6 4-8
ring bonds :
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exact/norm bonds :
1-3 2-4 2-5 4-8
exact bonds :
1-2 1-11 4-6
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G1: Ak, COOH, H, Cb

G2: H, OH

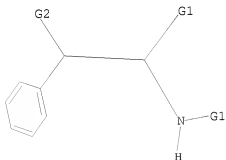
Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 8:CLASS 11:Atom 12:Atom
13:Atom 14:Atom 15:Atom 16:Atom

L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STR



G1: Ak, COOH, H, Cb

G2: H, OH

Structure attributes must be viewed using STN Express query preparation.

=> s ll full

FULL SEARCH INITIATED 18:24:31 FILE 'REGISTRY'

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| 4.7% PROCESSED | 231216 ITERATIONS | 177661 ANSWERS |
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| 100.0% PROCESSED | 4925886 ITERATIONS | 2168476 ANSWERS |
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L2 2168476 SEA SSS FUL L1

=> file caplus

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FULL ESTIMATED COST

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FILE COVERS 1907 - 4 Aug 2011 VOL 155 ISS 6

FILE LAST UPDATED: 3 Aug 2011 (20110803/ED)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2011

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2011

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0.52

198.12

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FILE COVERS 1907 - 4 Aug 2011 VOL 155 ISS 6
FILE LAST UPDATED: 3 Aug 2011 (20110803/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2011
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2011

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| | ENTRY | SESSION |
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DICTIONARY FILE UPDATES: 3 AUG 2011 HIGHEST RN 1314841-34-3

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=> s l2 and depression
4 DEPRESSION
L3 0 L2 AND DEPRESSION

| | SINCE FILE | TOTAL |
|----------------------|------------|---------|
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| FULL ESTIMATED COST | 6.72 | 205.36 |

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FILE COVERS 1907 - 4 Aug 2011 VOL 155 ISS 6
FILE LAST UPDATED: 3 Aug 2011 (20110803/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2011
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2011

Caplus now includes complete International Patent Classification (IPC) reclassification data for the first quarter of 2011.

CAS Information Use Policies apply and are available at:

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s phenylalanine and depression
98709 PHENYLALANINE
106211 DEPRESSION
L4 459 PHENYLALANINE AND DEPRESSION

=> s l4 and carbonic anhydrase
61649 CARBONIC
15374 ANHYDRASE
15199 CARBONIC ANHYDRASE
(CARBONIC(W)ANHYDRASE)
L5 4 L4 AND CARBONIC ANHYDRASE

=> d l5 1-4 ibib abs hitstr

L5 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2011 ACS on STN
ACCESSION NUMBER: 2008:9031 CAPLUS
DOCUMENT NUMBER: 148:113242
TITLE: Treatment of depressive disorders
INVENTOR(S): Sun, Miao-Kun; Alkon, Daniel L.
PATENT ASSIGNEE(S): Blanchette Rockefeller Neurosciences Institute, USA

SOURCE: U.S. Pat. Appl. Publ., 20 pp., Cont.-in-part of U.S. Ser. No. 594,420.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|-------------|
| US 20080003181 | A1 | 20080103 | US 2007-802724 | 20070524 |
| US 7977377 | B2 | 20110712 | | |
| WO 2005115548 | A2 | 20051208 | WO 2005-US17158 | 20050518 |
| WO 2005115548 | A3 | 20070322 | | |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| EP 1961447 | A2 | 20080827 | EP 2008-10738 | 20050518 |
| EP 1961447 | A3 | 20100317 | | |
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| US 20090041667 | A1 | 20090212 | US 2008-594420 | 20080630 |
| PRIORITY APPLN. INFO.: | | | | |
| | | | US 2004-571892P | P 20040518 |
| | | | WO 2005-US17158 | W 20050518 |
| | | | US 2008-594420 | A2 20080630 |
| | | | EP 2005-749738 | A3 20050518 |

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 148:113242

AB The invention provides for the use of carbonic anhydrase activators; protein kinase C activators and FGF-18 to treat depressive disorders. The invention also relates to improved animal models and methods for screening and identifying compds. the treatment of depressive disorders.

L5 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2011 ACS on SIN

ACCESSION NUMBER: 2005:1289949 CAPLUS

DOCUMENT NUMBER: 144:640

TITLE: Treatment of depressive disorders

INVENTOR(S): Sun, Miao-Kun; Alkon, Daniel L.

PATENT ASSIGNEE(S): Blanchette Rockefeller Neurosciences Institute, USA

SOURCE: PCT Int. Appl., 40 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|----------|
| WO 2005115548 | A2 | 20051208 | WO 2005-US17158 | 20050518 |
| WO 2005115548 | A3 | 20070322 | | |
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LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA,
 NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK,
 SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU,
 ZA, ZM, ZW
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
 AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
 EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,
 RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,
 MR, NE, SN, TD, TG
 CA 2562035 A1 20051208 CA 2005-2562035 20050518
 EP 1753511 A2 20070221 EP 2005-749738 20050518
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 CN 101060885 A 20071024 CN 2005-80016109 20050518
 JP 2008501798 T 20080124 JP 2007-527349 20050518
 EP 1961447 A2 20080827 EP 2008-10738 20050518
 EP 1961447 A3 20100317
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 KR 2007067010 A 20070627 KR 2006-7024220 20061117
 US 20080003181 A1 20080103 US 2007-802724 20070524
 US 7977377 B2 20110712
 US 20090041667 A1 20090212 US 2008-594420 20080630
 PRIORITY APPLN. INFO.: US 2004-571892P P 20040518
 EP 2005-749738 A3 20050518
 WO 2005-0617158 W 20050518
 US 2008-594420 A2 20080630

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 144:640
 AB The invention provides for the use of carbonic anhydrase activators,
 protein kinase C activators and FGF-18 to treat depressive disorders. The
 invention also relates to improved animal models and methods for screening
 and identifying compds. for the treatment of depressive disorders.
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 REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2011 ACS ON STN

ACCESSION NUMBER: 2003:535074 CAPLUS
 DOCUMENT NUMBER: 139:270901
 TITLE: Carbonic anhydrase activators. The selective
 serotonin reuptake inhibitors fluoxetine, sertraline
 and citalopram are strong activators of isozymes I and
 II
 AUTHOR(S): Casini, Angela; Caccia, Silvio; Scozzafava, Andrea;
 Supuran, Claudiu T.
 CORPORATE SOURCE: Dipartimento di Chimica, Laboratorio di Chimica
 Bioinorganica, Universita degli Studi di Firenze,
 Sesto Fiorentino (Firenze), I-50019, Italy
 SOURCE: Bioorganic & Medicinal
 Chemistry Letters (2003),
 13(16), 2765-2768
 CODEN: BMCLE8; ISSN: 0960-894X
 PUBLISHER: Elsevier Science B.V.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB The selective serotonin reuptake inhibitors (SSRI) fluoxetine, sertraline
 and citalopram have been investigated for their ability to activate two
 carbonic anhydrase (CA) isoenzymes, hCA I and hCA II, in parallel with
 two standard activators for which the x-ray structure (in complex with

isoenzyme II) has been resolved: histamine and phenylalanine. All three SSRI activated both isoenzymes with potencies comparable to that of the stds. although the profile was different: for hCA I, best activators were fluoxetine and histamine, with citalopram and sertraline showing weaker activity. For hCA II, the best activators were phenylalanine and citalopram, and the weakest histamine and sertraline, whereas fluoxetine showed an intermediate behavior. These results suggest that SSRI efficacy in major depression complicating Alzheimer's disease may be partly due to their ability to activate CA isoenzymes and may lead to the development of potent activators for the therapy of diseases associated with significant decreases in brain CA activity.

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REFERENCE COUNT: 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2002:594810 CAPLUS

DOCUMENT NUMBER: 137:155177

TITLE: Preparation and ophthalmic compositions of amino acid amides for treating ocular hypertension

INVENTOR(S): Garcia, Maria L.; Kaczorowski, Gregory J.; Gao, Ying-Duo

PATENT ASSIGNEE(S): Merck & Co., Inc., USA

SOURCE: PCT Int. Appl., 38 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

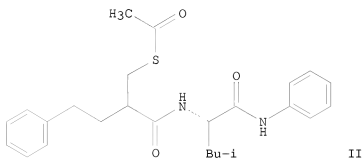
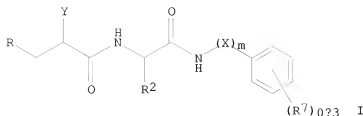
| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| WO 2002060863 | A1 | 20020808 | WO 2002-US3049 | 20020124 |
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| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG | | | | |
| CA 2434495 | A1 | 20020808 | CA 2002-2434495 | 20020124 |
| AU 2002251856 | A1 | 20020812 | AU 2002-251856 | 20020124 |
| JP 2004530647 | T | 20041007 | JP 2002-561014 | 20020124 |
| EP 1358153 | A1 | 20031105 | EP 2002-720887 | 20020125 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| US 20040054213 | A1 | 20040318 | US 2003-466878 | 20030716 |
| US 6864383 | B2 | 20050308 | | |

PRIORITY APPLN. INFO.: US 2001-264954P P 20010130
WO 2002-US3049 W 20020124

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 137:155177

GI



AB The compds. with a general formula of I [wherein R and R2 = independently alkyl, (CH2)n(hetero)aryl, (CH2)nheterocycloalkyl, said alkyl or (hetero)aryl optionally substituted with 1-3 groups of R3; Y = (CH2)nSCOR4; X = CH2 or O in which m = 1; R3 = H, alkoxy, alkyl(amino), CF3, NO2, NH2, CN, or halo; R4 = alkoxy or alkyl; R7 = H, halo, OH, NO2, NH2, CN, alkoxycarbonyl, CO2H, haloalkyl, alkoxycarbonylalkyl, or alkylsulfonyl; m = 1-3; n = 0-3; or a pharmaceutically acceptable salt, enantiomer, diastereomer, or mixture thereof] were prepared. For example, L-leucine derivative II was prepared in a 7-step synthesis involving condensation of 4-phenyl-2-(acetylthiomethyl)butyric acid and (S)-leucine t-Bu ester and amidation with aniline (50%). This invention relates to the use of potent potassium channel blockers or formulations thereof in the treatment of glaucoma and other conditions which leads to elevated intraocular pressure in the eye of a patient. This invention also relates to the use of such compds. to provide a neuroprotective effect to the eye of mammalian species, particularly humans. The compds. I were found to cause concentration dependent inhibition of the fluorescence ratio

with

IC50 values in the range of 10 nM to 5 μ M, more preferably from 100 nM to 1 μ M.

OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L1 STRUCTURE UPLOADED

L2 2168476 S L1 FULL

FILE 'CAPLUS' ENTERED AT 18:25:16 ON 04 AUG 2011

FILE 'CAPLUS' ENTERED AT 18:25:57 ON 04 AUG 2011

L3 FILE 'REGISTRY' ENTERED AT 18:26:12 ON 04 AUG 2011
0 S L2 AND DEPRESSION

L4 FILE 'CAPLUS' ENTERED AT 18:27:37 ON 04 AUG 2011
L5 459 S PHENYLALANINE AND DEPRESSION
4 S L4 AND CARBONIC ANHYDRASE

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